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EXAMINER	
LETT, THOMAS J	

ART UNIT	PAPER NUMBER
2626	

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/008,480	CHERRY ET AL.	
	Examiner	Art Unit	
	Thomas J. Lett	2626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *05 November 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-27* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-27* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *05 November 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *05 November 2001*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Nakaoka et al (USPub 2002/0186408 A1).

With respect to claim 1, Nakaoka et al disclose a method for printing information comprising:

receiving information corresponding to a user's intent to print a print task (a user selects one or plural mails to be printed, para. 0167);

identifying at least one printing device possessing capabilities corresponding to attributes of the print task such that the at least one the printing device is able to print the print task optimally compared to at least another unidentified printing device (a print portal PP subsequently provides the user of the client MP with interfaces for specifying the printer and printing conditions (see Sa03 in FIG. 3 and FIG. 2), para. 0169);

enabling the user to select from among the identified printing devices (the user is presented with a hierarchical display of printers, para. 0185, and the printing station

PS11 designated by the user is selected as the destination of transmission, para. 0188); and

facilitating printing of the print task at the selected printing device to produce a printed document such that the printed document exhibits the attributes of the print task (print portal PP subsequently provides the client MP with interfaces for specifying the output resource and printing conditions (see Sa03 in FIG. 3 and FIG. 2), para. 0187).

With respect to claim 2, discloses a method of claim 1, wherein identifying the at least one printing device comprises:

retrieving information corresponding to the print task (a print portal PP subsequently provides the user of the client MP with interfaces for specifying the printer and printing conditions (see Sa03 in FIG. 3 and FIG. 2), para. 0169); and

analyzing the information corresponding to the print task to identify at least one attribute of the print task (based on printing conditions the user is presented with a hierarchical display of printers, para. 0185, and the printing station PS11 designated by the user is selected as the destination of transmission, para. 0188).

With respect to claim 3, discloses a method of claim 1, wherein identifying at least one printing device comprises:

enabling a current location of the user to be identified (the exact locations of all the available printers registered in the print portal service PS are displayed, e.g., the user selects the name of the hotel where the user stays, para. 0258); and

identifying at least one printing device located in a vicinity of the current location of the user (the user specifies the printer PRT located at the hotel of the user, para. 0258); and

wherein enabling the user to select from among the identified printing devices comprises: enabling the user to select from among the printing devices identified in the vicinity of the current location (the user specifies the printer PRT located at the hotel of the user, para. 0258).

With respect to claim 4, discloses a method of claim 1, wherein identifying the at least one printing device comprises:

receiving information corresponding to an intended location where the print task is to be printed; and identifying at least one printing device located in a vicinity of the intended location (the exact locations of all the available printers registered in the print portal service PS are displayed, e.g., the user selects the name of the hotel where the user stays, para. 0258); and

wherein enabling tile user to select from among the identified printing devices comprises: enabling the user to select from among the printing devices identified in the vicinity of the location (the user specifies the printer PRT located at the hotel of the user, para. 0258).

With respect to claim 5, Nakaoka et al disclose a method of claim 1, wherein identifying at least one printing device comprises: storing information corresponding to the at least one printing device such that the information indicates, of each of the printing devices, at least one of: a location, a communication address, and at least one

printing capability (a print portal PP subsequently provides the user of the client MP with interfaces for specifying the printer and printing conditions (see Sa03 in FIG. 3 and FIG. 2), para. 0169).

With respect to claim 6, Nakaoka et al disclose a method of claim 1, wherein receiving information corresponding to a user's intent to print a print task comprises: receiving the information from a mobile appliance, at least in part, via a wireless communication network (in response to an instruction from the client MP11, contents provided by the content provider CP1 are transmitted to the printing station, which executes an actual printing operation. Para. 0159, and see Fig. 1)).

With respect to claim 7, Nakaoka et al disclose a method of claim 6, wherein enabling the user to select from among the identified printing devices comprises:

communicating information corresponding to the identified printing devices to the user, at least in part, via a wireless communication network such that the user is provided with information corresponding to the identified printing devices via the mobile appliance (FIG. 4 (center mobile device) shows an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170).

With respect to claim 8, Nakaoka et al disclose a method of claim 7, wherein facilitating printing of the print task at the selected printing device comprises: retrieving information corresponding to the print task (FIG. 4 (right-side mobile device) shows an interface window for specifying the printing conditions, para. 0171); and

communicating the information corresponding to the print task to the selected printing device via a communication network he user completes the specification of the output resource and the printing conditions with the above interface, the specified information is transmitted to the print portal PP (see Sa04 in FIG. 3 and FIG. 2), para. 0172).

With respect to claim 9, Nakaoka et al disclose a method of claim 7, wherein the communication network comprises the Internet (a printing operation with an arbitrary printer under the system architecture including a large number of servers and clients connected with one another via the Internet INT, para. 0155, and see Fig. 1).

With respect to claim 10, Nakaoka et al disclose a method for printing information comprising:

receiving information corresponding to printing devices (FIG. 4 (center mobile device) displays an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170);

storing the information corresponding to the printing devices (FIG. 4 (center mobile device) displays an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170);

receiving, via a communication network, information corresponding to a user's intent to print a print task (in response to an instruction from the client MP11, contents provided by the content provider CP1 are transmitted to the printing station, which executes an actual printing operation. Para. 0159, and see Fig. 1);

analyzing information corresponding to the print task to identify at least one attribute of the print task (based on printing conditions the user is presented with a hierarchical display of printers, para. 0185, and the printing station PS11 designated by the user is selected as the destination of transmission, para. 0188);

identifying a printing device (FIG. 4 (center mobile device) displays an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170) possessing capabilities corresponding to the at least one attribute of the print task such that the printing device is able to print the print task optimally compared to at least another unidentified printing device;

providing the user with information corresponding to the printing device identified via a communication network (FIG. 4 (center mobile device) displays an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170);

enabling the user to select the printing device for printing the print task (a print portal PP subsequently provides the user of the client MP with interfaces for specifying the printer and printing conditions (see Sa03 in FIG. 3 and FIG. 2), para. 0169); and

facilitating printing of the print task at the printing device selected to produce a printed document (the printing service provider PSP1, which manages the printing station PS11 designated by the user as the output resource, is selected as the destination of transmission of the print job, para. 0172) such that the printed document exhibits the attributes of the print task.

With respect to claim 11, Nakaoka et al disclose a method of claim 10, wherein facilitating printing of the print task at the printing device comprises:

providing information corresponding to the print task to the printing device via a communication network (in response to an instruction from the client MP11, contents provided by the content provider CP1 are transmitted to the printing station, which executes an actual printing operation. Para. 0159, and see Fig. 1)).

With respect to claim 12, Nakaoka et al disclose a method of claim 10, wherein identifying a printing device comprises:

enabling a current location of the user to be identified (the exact locations of all the available printers registered in the print portal service PS are displayed, para. 0258); and

identifying at least one printing device located in a vicinity of the current location of the user (e.g., the user selects the name of the hotel where the user stays, para. 0258).

With respect to claim 13, Nakaoka et al disclose a method of claim 10, wherein receiving information corresponding to printing devices comprises:

receiving, in regard to each of the printing devices, information corresponding to at least one of: a location (FIG. 4 (center mobile device) displays an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170), a communication address, and at least one printing capability.

With respect to claim 14, Nakaoka et al disclose a method of, claim 10, wherein receiving information corresponding to a user's intent to print a print task comprises:

receiving the information from a mobile appliance, at least in part, via a wireless communication network (in response to an instruction from the client MP11, contents provided by the content provider CP1 are transmitted to the printing station, which executes an actual printing operation. Para. 0159, and see Fig. 1)).

With respect to claim 15, Nakaoka et al disclose a system for printing information comprising:

a print request processing system (using the system of Fig. 1, a user selects one or plural mails to be printed, para. 0167) configured to communicatively couple with a communication network, the print request processing system being configured to:

receive information corresponding to a user's intent to print a print task (the user presses a button `iPrint` on the window, a requirement for execution of printing is transmitted from the mail service CP to the print portal PP (see Sa01 in FIG. 3 and FIG. 2)), para. 0168);

identify at least one printing device possessing capabilities corresponding to attributes of the print task such that the at least one printing device is able to print the print task optimally compared to at least another unidentified device (FIG. 4 (center mobile device) displays an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170);

provide information corresponding to at least one printing device identified to the user via a communication network (FIG. 4 (center mobile device) displays an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170); and

provide information corresponding to the print task to a selected one of the printing devices via a communication network (print portal PP subsequently provides the client MP with interfaces for specifying the output resource and printing conditions (see Sa03 in FIG. 3 and FIG. 2), para. 0187) such that the selected one of the printing devices is enabled to produce a printed document, the printed document exhibiting the attributes of the print task.

With respect to claim 16, Nakaoka et al disclose a system of claim 15, wherein the print request processing system is further configured to analyze information corresponding to the print task to identify at least one attribute of the print task (a print portal PP subsequently provides the user of the client MP with interfaces for specifying the printer and printing conditions (see Sa03 in FIG. 3 and FIG. 2), para. 0169);, the at least one attribute being selected from:

the presence of graphics, complexity of graphics, handout notes, print medium size, number of pages, smallest font size, largest font size, document type and duplex (examples of the printing conditions include the paper size, the layout, and the resolution. Selection of a `Printing Paper` menu enables the detailed settings for the printing paper, for example, the size A4 or B5. Selection of a `Layout` menu enables the detailed settings for the layout, for example, 1 page/sheet or 2 pages/sheet.

Selection of other menus enables the detailed settings for other printing conditions. The settings of printing are not restricted to this example, but a diversity of fields may be provided by taking into account the utility, para. 0171).

With respect to claim 17, Nakaoka et al disclose a system of claim 15, further comprising: means for analyzing information corresponding to the print task to identify at least one attribute of the print task (examples of the printing conditions include the paper size, the layout, and the resolution. Selection of a `Printing Paper` menu enables the detailed settings for the printing paper, for example, the size A4 or B5. Selection of a `Layout` menu enables the detailed settings for the layout, for example, 1 page/sheet or 2 pages/sheet. Selection of other menus enables the detailed settings for other printing conditions. The settings of printing are not restricted to this example, but a diversity of fields may be provided by taking into account the utility, para. 0171).

With respect to claim 18, Nakaoka et al disclose a system of claim 15, wherein the print request processing system is further configured to receive information corresponding to a current location of the user and identify printing devices located in a vicinity of the current location of the user such that the information corresponding to the identified printing devices includes only the printing devices identified in the vicinity of the current location of the user (the exact locations of all the available printers registered in the print portal service PS are displayed, e.g., the user selects the name of the hotel where the user stays, para. 0258).

With respect to claim 19, Nakaoka et al disclose a system of claim 15, wherein the print request processing system is further configured to receive information

corresponding to an intended location where the print task is to be printed and identify printing devices located in a vicinity of the intended location such that the information corresponding to the identified printing devices includes only the printing devices identified in the vicinity of the intended location (the exact locations of all the available printers registered in the print portal service PS are displayed, e.g., the user selects the name of the hotel where the user stays, para. 0258).

With respect to claim 20, Nakaoka et al disclose a system of claim 15, further comprising: a server (print portal 100, para. 0190) configured to communicatively couple to a communication network; and wherein the print request processing system resides on the server (The control includes registration and management of users and providers, control of the status of print jobs, acceptance and cancellation of print requests, and retrieval of printers as the output resource, para. 0190).

With respect to claim 21, Nakaoka et al disclose a system of claim 15, further comprising:

a print request system (see Fig. 1) configured to communicatively couple with the communication network (internet INT), the print request system being configured to:

receive information corresponding to a user's intent to print a print task (the user presses a button `iPrint` on the window, a requirement for execution of printing is transmitted from the mail service CP to the print portal PP (see Sa01 in FIG. 3 and FIG. 2)), para. 0168), receive information corresponding to at least one printing device, the at least one printing device possessing capabilities corresponding to attributes of the print task such that the at least one printing device is able to print the print task optimally

compared to at least another printing device (FIG. 4 (center mobile device) displays an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170);

enable the user to select from among the at least one printing device identified (FIG. 4 (center mobile device) displays an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170); and

provide information corresponding to the selected printing device to the communication network (in response to an instruction from the client MP11, contents provided by the content provider CP1 are transmitted to the printing station, which executes an actual printing operation. Para. 0159, and see Fig. 1)).

With respect to claim 22, Nakaoka et al disclose a system of claim 21, further comprising: a mobile appliance configured to communicatively couple to a communication network via a wireless protocol (in response to an instruction from the client MP11, contents provided by the content provider CP1 are transmitted to the printing station, which executes an actual printing operation. Para. 0159, and see Fig. 1)), and wherein the print request system resides on the mobile appliance (the user presses a button `iPrint` on the window, a requirement for execution of printing is transmitted from the mail service CP to the print portal PP (see Sa01 in FIG. 3 and FIG. 2)), para. 0168).

With respect to claim 23, Nakaoka et al disclose a system of claim 22, wherein the mobile appliance includes a Global Positioning System (GPS) receiver, the GPS

receiver being configured to provide information corresponding to a current location of the user for use by the print request system (see Fig. 1); and wherein the print request system (see Fig. 1) enables the information corresponding to the current location of the user to be provided to the print request processing system (The current location of the client MP may be specified by a landmark like a near-by building or a near-by station. Another example attaches a GPS (Global Positioning System) to the client MP and monitors the output of the GPS, para. 0356).

With respect to claim 24, Nakaoka et al disclose a system of claim 22, wherein the mobile appliance includes a display device, the display device being configured to display the identified printing devices to the user (FIG. 4 (center mobile device) shows an interface window for designating the output resource. Available printing stations are enumerated for the designation of the output resource, para. 0170).

With respect to claim 25, Nakaoka et al disclose a system of claim 15, further comprising:

at least one printing device communicating with the print request processing system, the at least one printing device (PP11) being configured to receive information corresponding to the print task from the print request processing system and print the print task (the user is presented with a hierarchical display of printers, para. 0185, and the printing station PS11 designated by the user is selected as the destination of transmission, para. 0188).

With respect to claim 26, Nakaoka et al disclose a system for printing information comprising:

a mobile appliance (MP11) having a print request system (print portal system, see Fig. 1), a user input component ("iPrint" button), a display device (see Fig. 4), and

an RF transmitter/receiver (mobile phones MS11 inherently consist of RF transmitter receivers) configured to communicatively couple with a communication network (see Fig. 1), the print request system being configured to: receive, via the user input component (iPrint button), information corresponding to a user's intent to print a print task, receive, via the RF transmitter/receiver and communication network, information corresponding to at least one printing device, the at least one printing device possessing capabilities corresponding to attributes of the print task such that the at least one printing device is able to print the print task optimally (FIG. 4 (center mobile device) displays an interface window for designating the output resource from print portal 100. Available printing stations are enumerated for the designation of the output resource, para. 0170) compared to at least another printing device;

enable the at least one printing device identified to be displayed to the user via the display device (FIG. 4 (center mobile device) displays an interface window for designating the output resource, para. 0170);

enable the user to select from among the at least one printing device identified (based on printing conditions the user is presented with a hierarchical display of printers, para. 0185, and the printing station PS11 designated by the user is selected as the destination of transmission, para. 0188); and

provide information corresponding to the selected printing device to the communication network via the RF transmitter/receiver ("iPrint" button of mobile phone

MP11 sends request to print portal system 100) (Examiner notes that the only communication between the mobile device and the print portal system is done wirelessly).

With respect to claim 27, Nakaoka et al disclose a system of claim 26, wherein the mobile appliance includes a Global Positioning System (GPS) receiver, the GPS receiver being configured to provide information corresponding to a current location of the user for use by the print request system (The current location of the client MP may be specified by a landmark like a near-by building or a near-by station. Another example attaches a GPS (Global Positioning System) to the client MP and monitors the output of the GPS, para. 0356).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas J. Lett whose telephone number is 571-272-7464. The examiner can normally be reached on 7-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly A. Williams can be reached on 571-272-7471. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TJL

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